**IN THE SPECIFICATION**

Kindly amend the specification as follows:

Kindly amend paragraph 79 as follows:

[79]   In the more general case, a burst-type communication terminal may select among more than two allowed base preamble sequences of waveforms.  This allows communication of additional bits of information. In general, one of S/2 allowed base sequences of waveforms may be transmitted as an initial detection sequence in the preamble (e.g. the first 48 symbols), communicating $\log_2(S/2)$ first preamble information bits.  Similarly, one of S/2 sequences of waveforms may be transmitted as a unique word in the preamble (e.g. the last 47 symbols), communicating $\log_2(S/2)$ second preamble information bits. Thus, the receiver receives one or more first preamble information bits after detecting the initial detection sequence.   The receiver then receives one or more second preamble information bits after detecting the unique word.